Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/05/2015 02:46 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122939	-2	4.14	122677	4.04
Blue	F	SSC	125000	123204	-2	2.76	124123	2.47
Blue	E	FITC	17998	17297	-4	2.58	975	9.69
Blue	D	PE	23234	22568	-3	2.20	1018	8.76
Blue	B	PerCP-Cy5-5	69571	68443	-2	2.97	1794	14.44
Blue	A	PE-Cy7	77815	75771	-3	4.04	977	27.40
Red	C	APC	65936	64915	-2	2.59	3667	8.34
Red	A	APC-Cy7	100669	100407	-1	2.60	1977	8.18
Violet	B	V450	10405	9868	-6	3.46	613	8.46
Violet	A	V500	47250	45211	-5	3.08	2554	5.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18700	21.34	624	45	N/A	N/A	Pass
Blue	F	SSC	61567	1.60	530	41	N/A	N/A	Pass
Blue	E	FITC	106	36.24	542	27	0.0209	48	Pass
Blue	D	PE	210	25.82	535	28	0.1475	125	Pass
Blue	B	PerCP-Cy5-5	216	43.75	624	34	0.0094	18	Pass
Blue	A	PE-Cy7	70	113.67	682	36	0.0124	17	Pass
Red	C	APC	340	27.09	590	12	0.0199	8	Pass
Red	A	APC-Cy7	123	39.36	571	12	0.0045	774	Pass
Violet	B	V450	66	45.26	473	23	0.0432	2215	Pass
Violet	A	V500	167	22.95	513	25	0.0129	224	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.29	-31.13	0.70
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.18
Red	17.03	13.09 - 19.63	N/A	N/A	31.64	31.85	1.09

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 15589

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments